

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415920

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415920  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-740-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6891 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

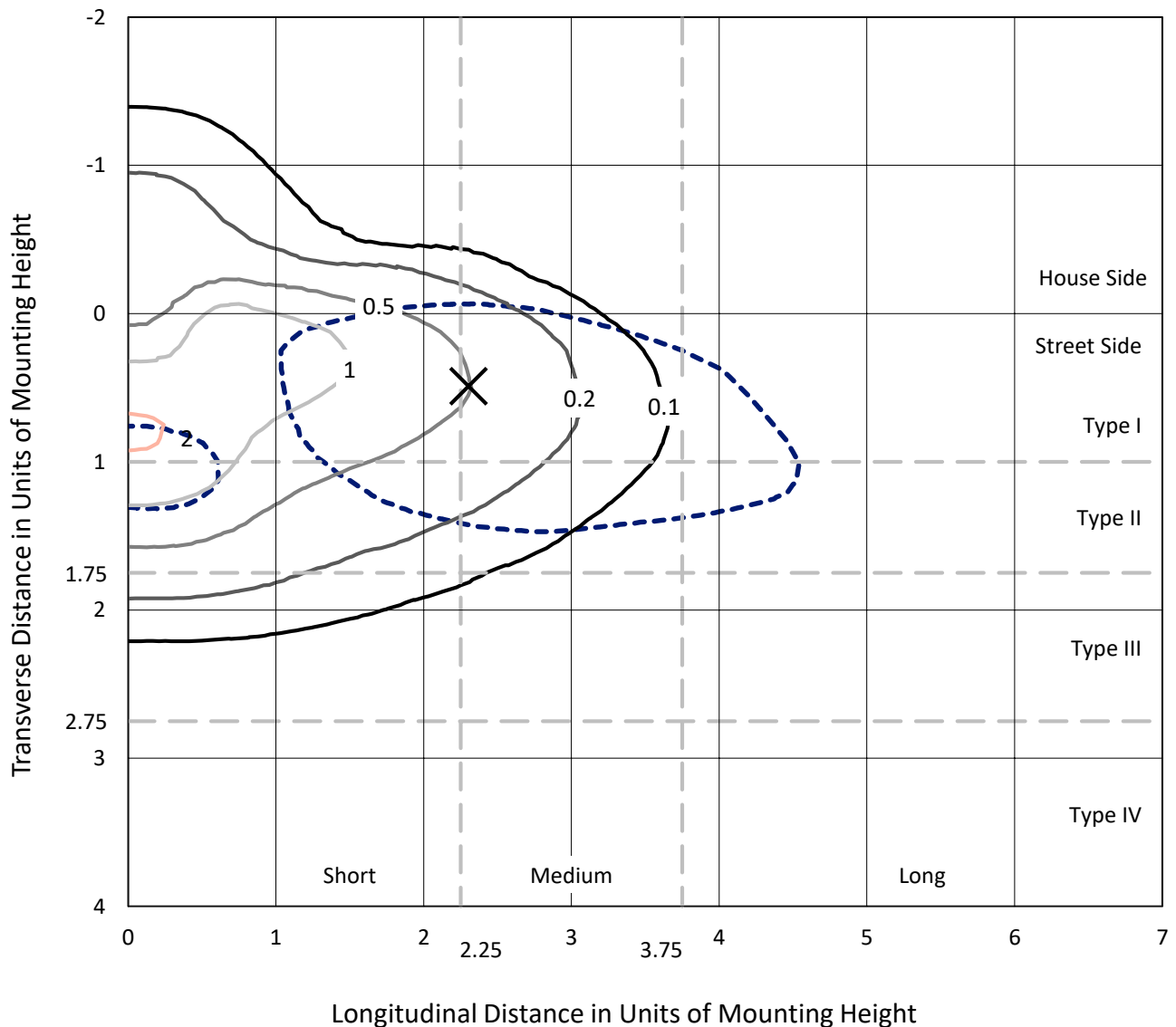
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

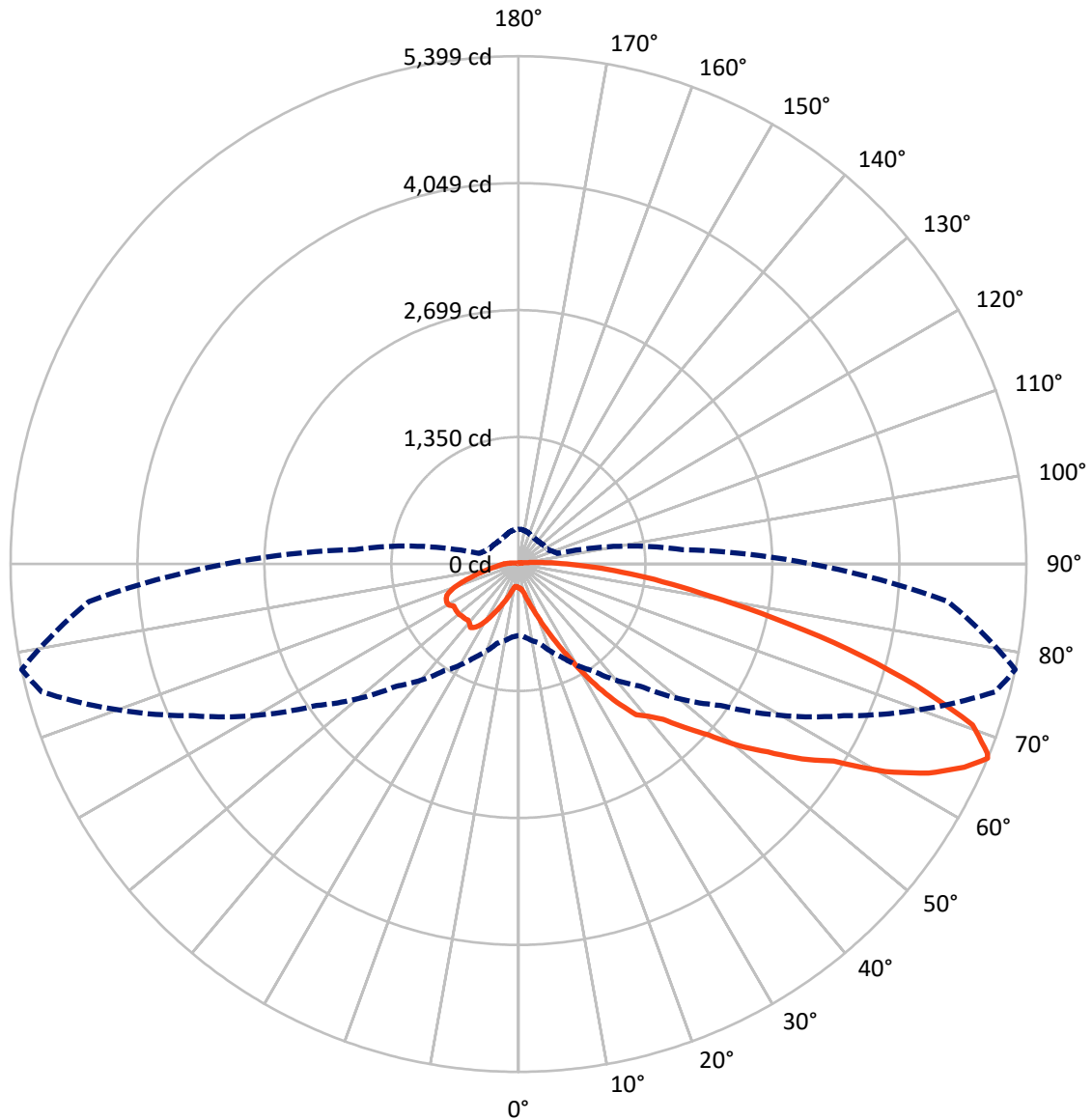
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1274.8	104.3	1379.1
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	5400.8	111.1	5511.9
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	6675.7	215.3	6891.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.3	0.4
10°-20°	107.2	1.6
20°-30°	321.5	4.7
30°-40°	736.0	10.7
40°-50°	1175.5	17.1
50°-60°	1448.8	21.0
60°-70°	1510.0	21.9
70°-80°	979.1	14.2
80°-90°	372.2	5.4
90°-100°	115.0	1.7
100°-110°	44.2	0.6
110°-120°	23.8	0.3
120°-130°	15.8	0.2
130°-140°	10.4	0.2
140°-150°	4.7	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6675.7	96.9
0°-180°	6891.0	100.0

**Coefficient of Utilization**



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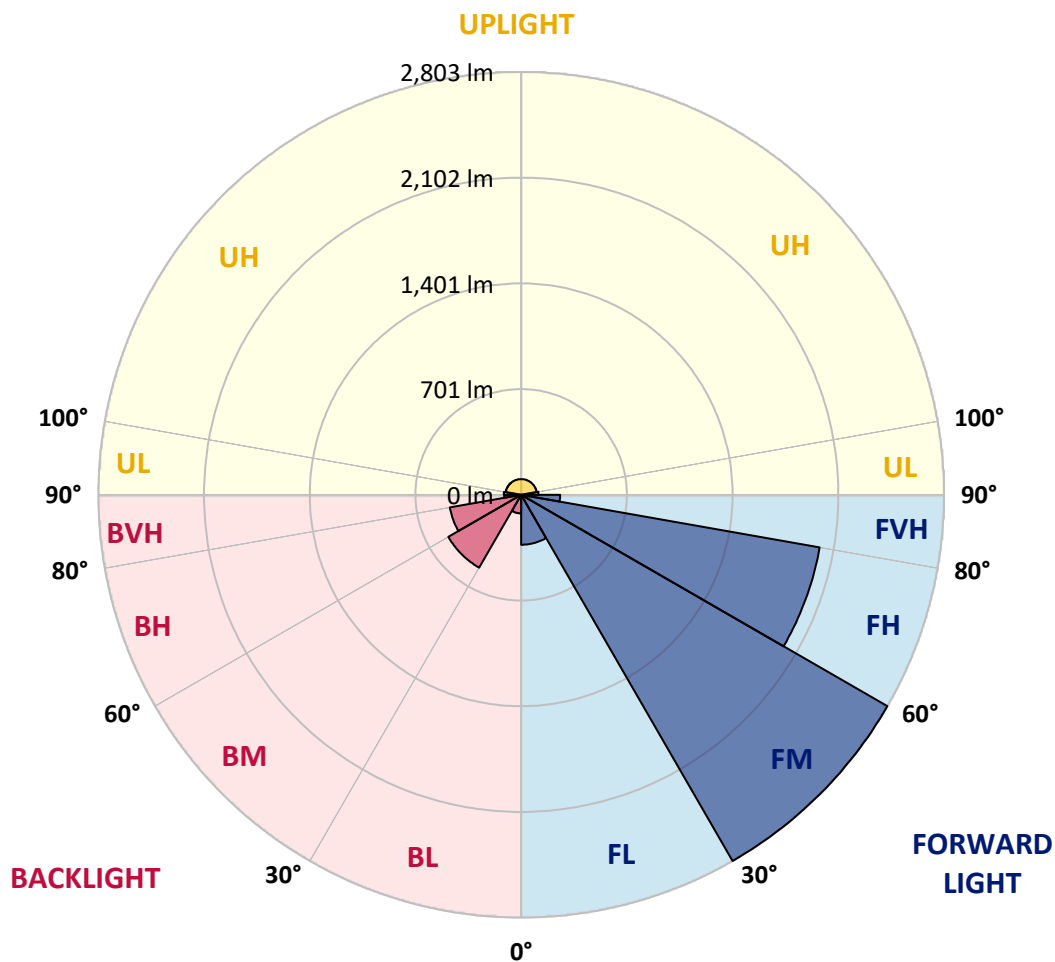
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2R-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.9	4.8			
FM (30°-60°)	2802.9	40.7			
FH (60°-80°)	2008.8	29.2			G2/5000
FVH (80°-90°)	258.2	3.7			G3/500
BL (0°-30°)	123.1	1.8	B1/500		
BM (30°-60°)	557.4	8.1	B1/1000		
BH (60°-80°)	480.3	7.0	B1/500		G1/500
BVH (80°-90°)	114.0	1.7			G2/225
UL (90°-100°)	115.0	1.7		U3/500	
UH (100°-180°)	104.3	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2
2.5°	283.8	283.0	282.2	280.6	277.3	274.1	269.2	262.6	257.7	256.9	252.0
5°	319.7	317.3	317.3	313.2	306.7	300.2	290.4	279.0	270.0	265.1	257.7
7.5°	363.8	358.9	360.5	354.0	345.0	333.6	318.1	302.6	285.5	280.6	270.0
10°	416.8	413.5	410.3	402.1	391.5	373.6	358.9	336.0	313.2	306.7	290.4
12.5°	481.2	482.1	472.3	463.3	445.3	427.4	409.5	387.4	362.1	354.8	333.6
15°	571.8	571.0	560.4	540.0	517.9	498.4	483.7	460.0	435.6	427.4	395.6
17.5°	677.8	675.4	667.2	631.3	609.3	593.8	572.6	557.9	522.8	513.9	474.7
20°	832.8	818.1	799.3	751.2	718.6	699.0	681.9	663.1	625.6	610.1	563.6
22.5°	1004.9	1012.2	978.0	903.7	849.1	813.2	795.3	785.5	756.9	746.3	676.2
25°	1218.6	1218.6	1164.8	1083.2	1012.2	945.3	941.3	952.7	914.3	907.0	832.8
27.5°	1443.7	1452.7	1381.7	1294.4	1186.8	1108.5	1104.4	1114.2	1110.9	1089.7	983.7
30°	1700.6	1692.5	1612.5	1506.5	1363.8	1271.6	1260.2	1331.1	1336.9	1322.2	1206.3
32.5°	2000.0	1993.5	1893.1	1729.2	1553.0	1447.0	1454.3	1554.6	1593.8	1568.5	1433.1
35°	2363.8	2371.9	2214.5	1983.7	1751.2	1628.9	1637.0	1762.6	1836.0	1805.0	1652.5
37.5°	2737.3	2739.8	2595.4	2283.0	1964.1	1790.4	1809.9	1963.3	2057.9	2032.6	1823.0
40°	2973.9	2998.3	2859.7	2562.8	2188.4	1951.9	1968.2	2119.9	2175.3	2128.0	1881.7
42.5°	3181.0	3199.8	3058.7	2739.8	2358.9	2096.2	2090.5	2205.5	2285.5	2256.1	2002.4
45°	3283.0	3319.7	3192.5	2862.9	2478.8	2208.8	2164.7	2336.8	2514.7	2477.9	2198.2
47.5°	3208.8	3253.6	3199.8	2927.4	2532.6	2279.7	2289.5	2526.1	2756.1	2715.3	2411.9
50°	2966.5	3020.4	3038.3	2879.2	2546.5	2314.8	2419.2	2737.3	3045.6	3037.5	2674.5
52.5°	2674.5	2703.1	2781.4	2734.1	2495.1	2355.6	2559.5	2942.1	3344.2	3318.9	2892.3
55°	2404.5	2442.1	2506.5	2478.8	2367.8	2360.5	2670.4	3170.4	3661.5	3658.2	3166.4
57.5°	2032.6	2084.8	2220.2	2235.7	2203.1	2330.3	2751.2	3349.9	3942.0	3953.5	3441.2
60°	1560.3	1604.4	1809.9	1973.9	2002.4	2259.4	2792.0	3547.3	4421.6	4481.2	3921.7
62.5°	1265.1	1273.2	1429.0	1633.7	1827.9	2129.7	2798.5	3796.9	4840.9	4894.7	4209.6
65°	947.0	945.3	1088.9	1322.2	1592.2	1978.0	2778.1	3875.2	5068.5	5206.3	4484.5
67°	761.0	778.9	871.1	1093.0	1388.2	1836.0	2619.9	3817.2	5247.1	5398.8	4584.8
67.5°	731.6	740.6	824.6	1034.2	1341.7	1793.6	2573.4	3802.6	5246.3	5375.1	4554.6
70°	584.0	596.2	657.4	796.1	1073.4	1515.5	2246.3	3461.6	4935.5	5123.1	4278.1
72.5°	451.1	460.8	504.1	609.3	817.3	1220.2	1858.1	2978.8	4274.0	4422.5	3627.2
75°	343.4	346.7	387.4	459.2	624.0	930.7	1434.7	2345.8	3514.6	3627.2	2947.8
77.5°	265.9	273.2	304.2	352.4	463.3	700.6	1079.9	1827.1	2796.1	2778.9	2241.4
80°	207.2	213.7	236.5	270.0	347.5	514.7	790.4	1350.7	2042.4	2062.8	1641.1
82.5°	166.4	171.3	186.8	211.3	267.5	391.5	577.5	1009.8	1553.0	1545.7	1203.1
85°	133.0	136.2	147.6	168.8	206.4	296.9	426.6	750.4	1096.2	1105.2	821.4
87.5°	103.6	107.7	120.7	133.8	163.1	225.9	314.8	520.4	729.2	736.5	564.4
90°	80.7	83.2	94.6	108.5	132.1	171.3	227.6	356.4	469.8	460.8	363.0
92.5°	59.5	62.0	72.6	85.6	102.8	132.1	163.9	228.4	274.9	280.6	226.8
95°	42.4	44.9	53.8	63.6	78.3	100.3	116.6	145.2	168.8	163.9	145.2
97.5°	32.6	33.4	40.0	47.3	59.5	77.5	86.5	100.3	110.9	108.5	101.1
100°	26.1	26.9	31.8	35.9	46.5	61.2	69.3	76.7	83.2	80.7	77.5
102.5°	22.0	22.8	26.1	29.4	38.3	51.4	56.3	61.2	63.6	63.6	62.0
105°	18.8	19.6	22.0	25.3	32.6	42.4	45.7	48.1	50.6	49.8	49.8
107.5°	17.1	17.1	19.6	22.0	28.5	35.9	37.5	38.3	39.2	39.2	40.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.5	16.3	17.9	19.6	25.3	31.8	31.8	31.0	31.0	31.0	33.4
112.5°	14.7	15.5	16.3	18.8	23.7	27.7	26.9	25.3	25.3	26.1	28.5
115°	14.7	14.7	15.5	17.9	22.0	25.3	23.7	21.2	21.2	22.0	24.5
117.5°	14.7	14.7	16.3	17.9	21.2	22.8	21.2	18.8	17.9	18.8	21.2
120°	15.5	15.5	16.3	17.9	19.6	21.2	19.6	17.1	16.3	17.1	19.6
122.5°	16.3	16.3	16.3	17.9	18.8	19.6	17.9	15.5	14.7	15.5	17.9
125°	17.1	17.1	17.1	17.9	18.8	17.9	16.3	14.7	14.7	14.7	17.1
127.5°	18.8	18.8	18.8	18.8	17.9	17.1	15.5	13.9	14.7	14.7	16.3
130°	20.4	20.4	19.6	18.8	17.9	16.3	14.7	13.1	13.9	14.7	16.3
132.5°	21.2	20.4	19.6	17.9	17.1	14.7	13.1	12.2	13.1	13.9	15.5
135°	19.6	19.6	17.9	16.3	15.5	13.1	11.4	11.4	12.2	13.1	13.9
137.5°	17.1	17.1	16.3	14.7	13.9	12.2	10.6	9.8	11.4	12.2	13.1
140°	14.7	14.7	13.9	12.2	11.4	10.6	9.0	8.2	9.8	10.6	11.4
142.5°	12.2	12.2	11.4	9.8	9.8	9.0	7.3	7.3	9.0	9.0	9.8
145°	9.8	9.8	9.8	8.2	8.2	7.3	5.7	6.5	7.3	8.2	8.2
147.5°	8.2	8.2	8.2	6.5	6.5	5.7	4.1	4.9	5.7	6.5	6.5
150°	6.5	6.5	6.5	5.7	4.9	4.1	3.3	4.1	4.1	4.9	4.9
152.5°	4.9	4.9	4.9	4.1	4.1	2.4	2.4	3.3	3.3	4.1	4.1
155°	3.3	3.3	4.1	3.3	2.4	1.6	2.4	2.4	3.3	3.3	3.3
157.5°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2
2.5°	249.6	248.0	243.9	239.8	235.7	232.5	228.4	227.6	227.6	225.9	225.9
5°	252.9	248.0	238.2	230.0	221.0	213.7	208.0	205.5	203.1	201.5	199.8
7.5°	260.2	252.0	235.7	222.7	209.6	198.2	190.0	186.0	183.5	181.1	181.9
10°	277.3	265.1	241.4	220.2	200.7	185.2	175.4	170.5	168.8	166.4	166.4
12.5°	314.0	297.7	263.5	227.6	197.4	176.2	164.8	163.1	164.8	167.2	167.2
15°	371.9	347.5	297.7	248.0	204.7	174.5	168.0	172.9	178.6	181.9	181.9
17.5°	442.9	409.5	338.5	271.6	215.3	189.2	181.1	187.6	194.9	199.8	199.8
20°	521.2	476.3	380.1	292.0	230.8	209.6	200.7	206.4	216.1	223.5	222.7
22.5°	623.2	557.9	428.2	309.9	249.6	228.4	222.7	230.0	244.7	254.5	255.3
25°	749.6	659.9	484.5	333.6	266.7	244.7	246.3	259.4	279.0	289.6	289.6
27.5°	884.2	770.8	532.6	357.3	284.7	261.8	270.0	287.9	309.1	321.4	323.0
30°	1062.0	913.5	593.0	380.9	300.2	279.0	288.7	309.9	325.4	332.8	333.6
32.5°	1243.1	1048.9	641.1	405.4	314.8	291.2	300.2	320.6	334.4	342.6	341.8
35°	1407.0	1158.2	669.6	416.8	327.9	300.2	304.2	326.3	334.4	339.3	338.5
37.5°	1532.6	1236.5	680.3	419.2	332.8	304.2	305.9	324.6	336.0	345.0	343.4
40°	1553.8	1225.9	640.3	404.6	332.0	304.2	307.5	328.7	340.9	345.0	344.2
42.5°	1632.1	1255.3	606.0	378.5	322.2	303.4	310.8	330.3	336.0	333.6	331.2
45°	1768.3	1317.3	596.2	365.4	309.9	301.0	312.4	326.3	325.4	320.6	318.9
47.5°	1902.9	1376.8	575.0	359.7	306.7	300.2	311.6	321.4	323.8	318.9	317.3
50°	2074.2	1455.9	557.9	351.5	307.5	300.2	309.9	321.4	323.0	314.8	314.0
52.5°	2227.5	1510.6	532.6	344.2	308.3	302.6	309.9	321.4	322.2	314.0	312.4
55°	2387.4	1568.5	506.5	336.9	310.8	305.1	312.4	322.2	323.0	317.3	315.7
57.5°	2547.3	1619.1	477.2	331.2	313.2	309.9	314.0	323.0	329.5	327.9	327.9
60°	2873.5	1764.3	472.3	332.0	315.7	314.0	315.7	327.1	339.3	335.2	336.0
62.5°	3002.4	1795.2	463.3	342.6	323.0	317.3	318.1	330.3	343.4	349.1	348.3
65°	3119.9	1797.7	445.3	349.9	332.0	319.7	319.7	331.2	353.2	366.2	366.2
67°	3113.3	1748.8	432.3	350.7	336.0	322.2	318.9	331.2	354.0	368.7	369.5
67.5°	3075.8	1716.9	427.4	350.7	336.9	322.2	318.1	330.3	354.0	369.5	369.5
70°	2849.9	1549.7	395.6	341.8	334.4	318.1	313.2	322.2	349.1	370.3	370.3
72.5°	2360.5	1275.7	350.7	319.7	318.9	307.5	300.2	309.9	336.0	358.1	357.3
75°	1907.8	1019.6	305.9	287.1	295.3	287.1	281.4	288.7	314.0	336.0	334.4
77.5°	1425.8	765.9	264.3	256.1	267.5	261.8	256.9	264.3	288.7	309.9	306.7
80°	1053.8	590.5	230.0	226.8	234.9	233.3	231.6	234.9	256.1	270.0	267.5
82.5°	775.7	449.4	198.2	195.8	205.5	205.5	205.5	208.0	223.5	228.4	225.9
85°	551.4	338.5	174.5	168.0	176.2	180.3	182.7	183.5	191.7	192.5	186.8
87.5°	388.3	266.7	156.6	142.7	146.8	155.8	159.9	159.1	162.3	159.9	154.2
90°	270.8	209.6	141.9	121.5	121.5	130.5	137.0	136.2	137.0	130.5	124.8
92.5°	190.9	158.2	119.9	100.3	98.7	107.7	113.4	112.6	112.6	106.0	100.3
95°	128.1	116.6	95.4	80.7	78.3	85.6	91.4	89.7	89.7	83.2	80.7
97.5°	94.6	88.9	78.3	68.5	63.6	67.7	71.8	71.8	72.6	68.5	66.1
100°	74.2	71.8	66.9	58.7	53.8	54.6	57.1	57.1	60.4	57.1	55.5
102.5°	62.0	60.4	56.3	50.6	46.5	45.7	47.3	48.1	52.2	49.8	48.9
105°	51.4	50.6	48.1	43.2	40.0	40.0	40.0	40.8	44.9	43.2	43.2
107.5°	41.6	41.6	41.6	37.5	35.1	35.1	34.3	35.1	38.3	38.3	38.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	35.1	35.1	35.9	32.6	31.0	31.0	30.2	31.0	34.3	35.1	35.1
112.5°	30.2	30.2	31.0	29.4	27.7	27.7	26.9	26.9	30.2	32.6	32.6
115°	26.1	26.9	26.9	26.1	25.3	24.5	23.7	24.5	27.7	30.2	30.2
117.5°	22.8	23.7	24.5	23.7	22.8	22.0	21.2	22.0	25.3	28.5	28.5
120°	20.4	21.2	22.0	22.0	21.2	20.4	18.8	20.4	22.8	26.1	26.9
122.5°	18.8	19.6	19.6	19.6	19.6	17.9	17.1	17.9	20.4	23.7	24.5
125°	17.9	17.9	18.8	18.8	17.9	16.3	15.5	16.3	17.9	20.4	21.2
127.5°	17.1	17.1	17.9	17.9	16.3	14.7	13.9	14.7	16.3	17.9	17.9
130°	17.1	17.1	17.1	16.3	15.5	13.9	12.2	13.1	14.7	16.3	16.3
132.5°	16.3	15.5	15.5	15.5	13.9	12.2	11.4	11.4	13.1	14.7	14.7
135°	14.7	14.7	13.9	13.9	13.1	10.6	9.8	9.8	11.4	13.1	13.1
137.5°	13.1	13.1	12.2	12.2	11.4	9.8	8.2	9.0	10.6	10.6	11.4
140°	11.4	11.4	10.6	10.6	9.8	8.2	6.5	7.3	9.0	9.0	9.8
142.5°	9.8	9.8	9.8	9.0	8.2	6.5	5.7	6.5	8.2	8.2	8.2
145°	8.2	8.2	8.2	7.3	6.5	4.9	4.1	5.7	7.3	6.5	6.5
147.5°	6.5	6.5	6.5	6.5	4.9	4.1	3.3	4.9	5.7	5.7	5.7
150°	4.9	4.9	4.9	4.9	4.1	2.4	2.4	4.1	4.9	4.9	4.9
152.5°	4.1	4.1	4.1	4.9	4.1	1.6	1.6	3.3	4.1	4.1	4.1
155°	3.3	3.3	4.1	4.1	3.3	1.6	0.8	2.4	3.3	3.3	3.3
157.5°	2.4	2.4	3.3	3.3	2.4	1.6	0.8	1.6	3.3	2.4	2.4
160°	1.6	2.4	2.4	2.4	2.4	1.6	0.0	1.6	2.4	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)